

Call for Papers

<http://www.spin.pe.titech.ac.jp/pmrc2010/>

The 9th Perpendicular Magnetic Recording Conference (PMRC 2010) will be held at the Sendai Excel Hotel Tokyu located in downtown Sendai, Japan from May 17 through 19, 2010. PMRC conferences dealing with all aspects of perpendicular magnetic recording have been held every three years since 1989. All colleagues interested in recent and future developments in perpendicular magnetic recording and high-density storage technologies are invited to attend and to submit contributions to the technical sessions.

SCOPE

Perpendicular magnetic recording was introduced into commercial hard disk drives in 2005, and is now finding broad application in information storage technology. The emerging applications of HDDs are demanding rapid increases in storage capacity and areal density. Now is an appropriate time to summarize at the conference the research and development, and to generalize the lessons learned for future continuous evolution. The 9th Perpendicular Magnetic Recording Conference is aimed at discussing topics related to the extension of ultrahigh areal density perpendicular magnetic recording and all related high-density storage technologies. At PMRC 2010, topics that contribute to the future progress of perpendicular magnetic recording and high-density storage technologies will be discussed. Papers falling into the following categories are welcome.

1. Recording physics/characteristics, modeling, simulations
2. Magnetic write heads and soft magnetic materials
3. Magnetic read heads and sensors
4. Recording media and materials, microstructure, magnetic imaging
5. Signal processing
6. Storage systems
7. New storage technologies

DIGESTS

Digests should be prepared in English on a maximum of two pages. All information necessary for judging the scientific quality of the paper must be included. The PMRC 2010 Program Committee highly recommends that individual digests include figures. Details of the digest format and instructions on the submission process are provided at the conference web site:

<http://www.spin.pe.titech.ac.jp/pmrc2010/>

Digests must be sent by e-mail to the program committee, and received *no later than February 26, 2010*. Submissions by fax will not be accepted. Please send a PDF or MS Word file of the digest to the following e-mail address:

submitpmrc@spin.pe.titech.ac.jp

Submitted digests will be reviewed to judge the quality of the presentation. Notice of acceptance/rejection will be sent by e-mail to the corresponding author three weeks after the deadline. The accepted digests will appear in the Digests of PMRC 2010, which will be distributed to all participants at the Conference.

PROGRAM BOOKLET

The PMRC 2010 Program will be uploaded to the Conference web site in March 2010. Authors and other prospective participants who would like the Program Booklet will be able to download an electronic copy from the PMRC web-site. Major information on travel, accommodation, and social activities will be included in the Program Booklet.

CONFERENCE SITE

The conference site for PMRC 2010, Sendai Excel Hotel Tokyu, is located in downtown Sendai. Detailed information on the venue can be found at the web site:

http://www.tokyuhotelsjapan.com/en/TE/TE_SENDA/index.html

REGISTRATION and ACCOMMODATION

Participants are recommended to make an advance registration to take advantage of the discounted registration fee. Advance registration closes on **April 23, 2010**. Onsite registration is also possible. The registration fee includes charges for the 'Conference Digest' at the conference site, and the 'Conference Proceedings' that will be distributed later on.

| | Advance Registration | On-site Registration |
|-----------------|----------------------|----------------------|
| Regular | JPY 30,000 | JPY 40,000 |
| Student/Retiree | JPY 10,000 | JPY 15,000 |

Instructions for payment of the registration fee will be available at the conference web site (<http://www.spin.pe.titech.ac.jp/pmrc2010/>). Information about accommodation and travel reservations will be also available.

PRESENTATIONS

Presentations will consist of both oral and poster sessions. Oral sessions will include invited and contributed papers and will cover the technological frontiers of perpendicular magnetic recording. The conference is aimed at exchanging information and promoting intensive discussion among the participants. The official language for all presentations is English.

FULL MANUSCRIPT SUBMISSION

The Publication Committee is planning to publish the papers as "Selected papers from PMRC 2010". Authors of digests accepted for PMRC 2010 are encouraged to submit full manuscripts for publication. Manuscript submission will be requested after the conference. All submitted manuscripts must be presented at PMRC 2010; 'no show' papers cannot be published. Detailed instructions on the preparation of full paper manuscripts will be provided at the Conference web site. After being reviewed, the accepted papers will be published.

CONFERENCE BANQUET

All participants and accompanying persons are invited to attend the conference excursion and banquet which will be held in the afternoon of Tuesday, May 18. Following a boat cruise around the Matsushima islands the conference banquet will be served. The excursion and banquet will cost JPY 5,000 per person. Booking should be made in advance at the conference web-site.

IMPORTANT DATES AND INQUIRIES

The important deadlines are as follows:

Digest submission: **February 26, 2010**
Advance registration: **April 23, 2010**

Any inquiries about PMRC 2010 should be directed to the following e-mail address:

pmrc2010@kiroku.riec.tohoku.ac.jp

CONFERENCE OFFICERS

General Chairman:

S. Iwasaki (Tohoku Inst. Tech.)

Administrative Office and Treasurer:

H. Muraoka (Tohoku Univ.)

S.J. Greaves (Tohoku Univ.)

Program:

N. Honda (Tohoku Inst. Tech.)

Publication:

T. Homma (Waseda Univ.)

T. Asahi (Waseda Univ.)

Publicity:

S. Nakagawa (Tokyo Inst. Tech.)

K. Nakagawa (Nihon Univ.)

Local Arrangement

K. Miura (Tohoku Univ.)

Auditor:

T. Osaka (Waseda Univ.)

K. Ouchi (AIT)

Y. Sugita (Tohoku Inst. Tech.)

The 9th Perpendicular Magnetic Recording Conference (PMRC 2010) May 17 – 19 in 2010, Sendai

Sponsored by

Committee 144 of the Japan Society for the Promotion of Science

In co-operation with

The Magnetism Society of Japan

Conference Office:

Conference Office of PMRC 2010

Research Institute of Electrical Communication, Tohoku University

2-1-1 Katahira, Aoba-ku, Sendai,

980-8577 Japan

Email: pmrc2010@kiroku.riec.tohoku.ac.jp

FAX: +81-22-217-5496